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4	3	5921885.URPN.	USPAT	2004/07/29 12:20
7 .	169	701/62.ccls.	USPAT;	2004/07/29 12:29
			US-PGPUB	
•8	52	701/62.ccls. and ignition	USPAT;	2004/07/29 12:29
			US-PGPUB	
9	l 0	701/62.ccls. and ignition with control adj2 valve	USPAT;	2004/07/29 12:30
		To Hozzosos and Ighilath Man bondor daja ranto	US-PGPUB	200 1/01/20 12:00
10	8	701/62.ccls. and ignition with valve	USPAT;	2004/07/29 12:30
10		701/02.005. and ignition with valve		2004/07/29 12.30
42	_	(/ahmannalih. an malf. malian an dafaati sa an fail saa) with (dataat a	US-PGPUB	0004/07/00 40 00
13	0	((abnormality or malfunction or defective or failure) with (detect or	JPO	2004/07/29 12:33
		detecting or detector) same ignition adj switch same hydraulic)	_	
14	1	((abnormality or malfunction or defective or failure) same (detect	JPO	2004/07/29 12:34
		or detecting or detector) same ignition adj switch same hydraulic)		
15	6	((abnormality or malfunction or defective or failure) same ignition	JPO	2004/07/29 13:05
		adj switch same hydraulic)		
16	4	((abnormality or malfunction or defective or failure) same ignition	US-PGPUB	2004/07/29 12:36
	-	adj switch same hydraulic)		
17	43	((abnormality or malfunction or defective or failure) same ignition	USPAT;	2004/07/29 12:36
		adj switch same hydraulic)	US-PGPUB	2004/01/25 12.50
18	1	((abnormality or malfunction or defective or failure) same ignition	USPAT;	2004/07/29 12:39
10	•	adj switch same hydraulic) same continued		2004/01/29 12.39
19	1	(obnormality or malfunction or defective or failure)	US-PGPUB	2004/07/00 10 00
19		((abnormality or malfunction or defective or failure) same ignition	USPAT;	2004/07/29 12:39
		adj switch same hydraulic) same continued	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
20	0	((abnormality or malfunction or defective or failure) same ignition	USPAT;	2004/07/29 12:40
		adj switch same hydraulic) same continued near5 power	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
21	0	((abnormality or malfunction or defective or failure) same ignition	USPAT;	2004/07/29 12:40
		adj switch same hydraulic) same electromagnet\$4 near5 power	US-PGPUB;	2004/01/23 12.40
		adj switch same hydraulicj same electromagnetiga nears power		
			EPO; JPO;	
22	20202	alastromagnet(A nearE news	DERWENT	0004/07/00 40 40
22	28383	electromagnet\$4 near5 power	USPAT;	2004/07/29 12:40
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
23	1906	electromagnet\$4 near5 power with valve	USPAT;	2004/07/29 12:40
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
24	53	electromagnet\$4 near5 power with valve same ignition	USPAT;	2004/07/29 12:42
			US-PGPUB;	
			EPO; JPO;	
	1		DERWENT	
25	1	4973855.pn. and ignition	USPAT;	2004/07/29 13:00
	'	10.0000.pm and ignition	US-PGPUB;	2007/01/29 13:00
	1		EPO; JPO;	
26		4072055 nn and invition come II-60	DERWENT	0004/07/00 15 55
26	1	4973855.pn. and ignition same "off"	USPAT;	2004/07/29 13:03
	1		US-PGPUB;	
	[EPO; JPO;	
			DERWENT	
27	29829	ignition same "off"	USPAT;	2004/07/29 13:03
			US-PGPUB;	
			EPO; JPO;	
	İ		DERWENT	
28	20447	ignition with "off"	USPAT;	2004/07/29 13:03
			US-PGPUB;	
			EPO; JPO;	
1	1		DERWENT	
•	l	ignition with "off" same (solenoid or electromagnet\$ or control)		2004/07/00 40 04
29	1001	i ignigon with on same (solenoid of electromagnets of control)	USPAT;	2004/07/29 13:04
29	1091			
29	1091	adj2 valve	US-PGPUB;	
29	1091			

30	86	ignition with "off" same (solenoid or electromagnet\$ or control)	USPAT;	2004/07/29 13:04
	l i	adj2 valve same hydraulic	US-PGPUB;	
			EPO; JPO;	
•	1		DERWENT	
31	86	ignition with "off" same (solenoid or electromagnet\$ or control)	USPAT;	2004/07/29 13:05
	1	adj2 valve same hydraulic	US-PGPUB;	
			EPO; JPO;	
	_		DERWENT	
32	3	ignition with "off" same (solenoid or electromagnet\$ or control)	USPAT;	2004/07/29 13:08
		adj2 valve same hydraulic same ((abnormality or malfunction or	US-PGPUB;	
		defective or failure) same ignition adj switch same hydraulic)	EPO; JPO;	
			DERWENT	
33	4	ignition with "off" same (solenoid or electromagnet\$ or control)	USPAT;	2004/07/29 13:09
		adj2 valve same hydraulic same (abnormality or malfunction or	US-PGPUB;	
		defective or failure) same ignition	EPO; JPO;	
			DERWENT	

-	149	("5921885"	USPAT;	2004/07/29 12:09
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-		427	sugimura.in.	USPAT;	2004/07/28 13:28
	•			US-PGPUB	
-	•	10436	sugimura.in. or toyota.asn.	USPAT;	2004/07/29 10:52
•				US-PGPUB	
-		15909	ignition near3 switch	USPAT;	2004/07/28 13:10
1				US-PGPUB	

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-	42715	(abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:36
		detecting or detector)	US-PGPUB	
- '	0	(abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:12
1		detecting or detector) same On near3 off same ignition	US-PGPUB	
-	0	(abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:12
		detecting or detector) same "On" near3 "off" same ignition	US-PGPUB	
-	146	(abnormality or malfunction or defective or failure) with (detect or	USPAT:	2004/07/28 13:45
		detecting or detector) same ignition adj switch	US-PGPUB	

-	0	((abnormality or malfunction or defective or failure) with (detect or detecting or detector) same ignition adj switch same hydraulic)	USPAT; US-PGPUB	2004/07/28 13:14
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-	4	I ((==::am) or manarodori or acrodure or railare) with (detect of	USPAT;	2004/07/29 12:33
•		detecting or detector) same ignition adj switch same hydraulic) and (sugimura.in. or toyota.asn.)	US-PGPUB	
-	8	(abnormality or malfunction or defective or failure) with (detect or detecting or detector) same ignition adj switch same hydraulic	USPAT; US-PGPUB	2004/07/28 13:16
-	1	(abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:18
		detecting or detector) same ignition adj switch near6 "turned off" same hydraulic	US-PGPUB	
-	11	ignition adj switch near6 "turned off" with power near4 continues!	USPAT; US-PGPUB	2004/07/28 13:19
-	15	ignition adj switch near6 ("turned off" or turned near5 "off" or turned) with power near4 continues!	USPAT;	2004/07/28 13:20
		turned) with power near4 continues:	US-PGPUB; EPO; JPO;	
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-	17	(("5921885"	USPAT;	2004/07/28 13:22
_	• • •	"5799748"		2004/07/28 13:22
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-	0	abnormality adj detecting same hydraulic same electromagnet\$	USPAT;	2004/07/28 13:24
•		adj valve	US-PGPUB	
J 14	1	abnormality adj detect\$4 same hydraulic same electromagnet\$	USPAT;	2004/07/28 13:24
T	125	adj valve	US-PGPUB	
-	125	electromagnet\$ adj valve same ignition adj switch	USPAT;	2004/07/28 13:25
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-	•	electromagnet\$.clm. adj valve.clm. same ignition.clm. adj	USPAT;	2004/07/28 13:25
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-	146935	sugimura.in. or toyota.asn.	USPAT; US-PGPUB;	2004/07/28 13:29
's 's			EPO; JPO;	
_	1431	(sugimura.in. or toyota.asn.) and ignition adj switch	DERWENT	0004/07/00 /0 0
	1401	(Sugindra.in. or toyota.asn.) and ignition adj switch	USPAT;	2004/07/28 13:29
			US-PGPUB; EPO; JPO;	
			DERWENT	
-	29	(sugimura.in. or toyota.asn.) and ignition adj switch same	USPAT;	2004/07/28 13:31
		hydraulic adj pressure	US-PGPUB;	2004/01/20 10:01
			EPO; JPO;	
			DERWENT	
-	3	ignition adj switch same hydraulic adj pressure same (fail or	USPAT;	2004/07/28 13:33
		failure or malfunction or defect\$4 or abnormal\$4) same (detect\$	US-PGPUB;	
		or recogniz\$4) same valve	EPO; JPO;	
-	5	(sugimura.in. or toyota.asn.) and ignition adj switch same	DERWENT	0004/07/00 40 07
		hydraulic adj pressure same (fail or failure or malfunction or	USPAT;	2004/07/28 13:35
		defect\$4 or abnormal\$4) same (detect\$ or recogniz\$4)	US-PGPUB; EPO; JPO;	
		() come (constitution reasoning try	DERWENT	
-	572	(abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:37
		detecting or detector) same hydraulic	US-PGPUB	
-	61	((abnormality or malfunction or defective or failure) with (detect or	USPAT;	2004/07/28 13:38
		detecting or detector) same hydraulic) and (sugimura.in. or	US-PGPUB	
_	45	toyota.asn.)		
	43	(((abnormality or malfunction or defective or failure) with (detect or detecting or detector) same hydraulic) and (sugimura.in. or	USPAT;	2004/07/28 13:54
		toyota.asn.)) and (477/\$.ccls. or 475/\$.ccls. or 192/\$.ccls. or	US-PGPUB	
		303/\$.ccls. or 74/\$.ccls. or 73/\$.ccls. or 701/\$.ccls.)		
-	0	((((abnormality or malfunction or defective or failure) with (detect	USPAT;	2004/07/28 13:43
		or detecting or detector) same hydraulic) and (sugimura.in. or	US-PGPUB	2004/01/20 13.43
		toyota.asn.)) and (477/\$.ccls. or 475/\$.ccls. or 192/\$.ccls. or		
		303/\$.ccls. or 74/\$.ccls. or 73/\$.ccls. or 701/\$.ccls.)) and		
_	0	electromagnetic adj control adj valve		
_		(abnormality or malfunction or defective or failure) with (detect or detecting or detector) same ignition adj switch same	USPAT;	2004/07/28 13:45
		electromagnetic adj control adj valve	US-PGPUB	
_	0	(abnormality or malfunction or defective or failure) with (detect or	USPAT:	2004/07/20 42:46
ĺ		detecting or detector) same electromagnetic adj control adj valve	US-PGPUB	2004/07/28 13:46
-	0	(abnormality or malfunction or defective or failure) same (detect	USPAT;	2004/07/28 13:48
		or detecting or detector) same electromagnetic adj control adj	US-PGPUB	2001/01/20 10:40
		valve		
-	21	(((abnormality or malfunction or defective or failure) with (detect	USPAT;	2004/07/28 13:55
	ļ	or detecting or detector) same hydraulic) and (sugimura.in. or	US-PGPUB	
		toyota.asn.)) and (477/\$.ccls. or 475/\$.ccls. or 192/\$.ccls. or 74/\$.ccls. or 73/\$.ccls. or 701/\$.ccls.)		
-	146941	sugimura.in. or toyota.asn.	USPAT:	2004/07/29 10:52
		, <u> </u>	US-PGPUB:	2004/07/29 10:52
			EPO; JPO;	
			DERWENT	
-	106	(sugimura.in. or toyota.asn.) and automatic adj transmission	USPAT;	2004/07/29 10:59
		same (solenoid or electromagnet\$4) with control adj valve	US-PGPUB;	
			EPO; JPO;	
<u>-</u>	1	(sugimura.in. or toyota.asn.) and automatic adj transmission	DERWENT	0004/0=/==
	1	same (solenoid or electromagnet\$4) with control adj valve same	USPAT;	2004/07/29 10:58
		hydraulic adj2 pressure with (defect\$4 or malfunction or	US-PGPUB; EPO; JPO;	
		abnormal\$4 or fail\$4)	DERWENT	
-	21	automatic adj transmission same (solenoid or electromagnet\$4)	USPAT;	2004/07/29 10:58
		with control adj valve same hydraulic adj2 pressure with (defect\$4	US-PGPUB;	-00.01 EZ1101F00-
		or malfunction or abnormal\$4 or fail\$4)	EPO; JPO;	
		and a second sec	DERWENT	
•	0	automatic adj transmission same (solenoid or electromagnet\$4)	USPAT;	2004/07/29 10:59
]	with control adj valve same hydraulic adj2 pressure with (defect\$4	US-PGPUB;	İ
		or malfunction or abnormal\$4 or fail\$4) same ignition	EPO; JPO;	
			DERWENT	

-	0	automatic adj transmission same (solenoid or electromagnet\$4)	USPAT;	2004/07/29 10:59
•		with control adj valve same hydraulic adj2 pressure with (defect\$4	US-PGPUB;	
4		or malfunction or abnormal\$4 or fail\$4) and ignition	EPO; JPO;	
			DERWENT	
-	201276	ignition	USPAT:	2004/07/29 10:59
	1		US-PGPUB;	
			EPO: JPO:	
			DERWENT	
-	4	(**5a.a or to fota additionally a	USPAT:	2004/07/29 11:00
	i	same (solenoid or electromagnet\$4) with control adj valve same	US-PGPUB;	
		ignition	EPO; JPO;	
			DERWENT	
-	12320	477/\$.ccls.	USPAT:	2004/07/29 11:09
			US-PGPUB	
-	59	477/\$.ccls. and ((sugimura.in. or toyota.asn.) and automatic adj	USPAT:	2004/07/29 11:10
		transmission same (solenoid or electromagnet\$4) with control adj	US-PGPUB	==== ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		valve)	 	
-	3	1777000.000. and ((Sugimura.iii. Or toyota.asii.) and automatic	USPAT:	2004/07/29 11:10
		adj transmission same (solenoid or electromagnet\$4) with control	US-PGPUB	====
		adj valve)		

Butler, Douglas

PLUS 7/29/04

From:

PLUS

Sent:

Monday, July 12, 2004 12:25 PM

To:

Butler, Douglas

Subject:

PLUS Results for 10826378

Here are the PLUS search results for 10826378.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.





10826378_QUAL.txt













10826378_CLSTITLES.t



10826378_WDS.txt

PLUS Search Results for S/N 10826378, Searched July 12, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10826378_EAST

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10826378_EAST

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10826378_CLS Most Frequently Occurring Classifications of Patents Returned From A Search of 10826378 on July 12, 2004

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Original Classifications
  6 180/422
    477/125
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     74/335
    192/3.58
  3
    477/154
  3
  3
    477/155
  2
     74/336R
  2
    180/414
  2
    192/106F
    241/36
  2
  2
    474/28
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    475/127
  2
    475/129
    477/107
  2
    477/114
  2
  2
    477/123
    477/133
    477/99
Cross-Reference Classifications
 11 477/906
    477/155
    180/247
    192/3.58
     74/335
 3
    192/3.31
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    475/128
 3
    477/131
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    477/138
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    477/158
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    477/160
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    701/52
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     60/406
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     60/581
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     74/388PS
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    123/90.15
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    137/625.64
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    180/272
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    192/109F
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    477/117
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- 477/154 2 2 477/36
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Combined Classifications

- 11 477/906
- 477/155
- 7 180/422
- 192/3.58 7
- 74/335 6
- 477/125 5
- 5 477/154
- 4 180/247
- 192/3.31
- 4 477/131
- 477/138 4
- 3 74/336R
- 3 123/90.15
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- 3 477/158
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- 477/160
- 3 701/52
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- 2 60/547.1
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- 2 74/733.1
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- 2 192/85AA
- 2 192/85R
- 2 192/87.16
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- 2 303/113.2
- 2 303/122.12
- 2 303/71
- 2 303/9.61
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- 2 475/127
- 2 475/132
- 2 475/60 2 475/61
- 2 475/65
- 477/107

10826378_CLS

2 477/114 2 477/116 2 477/117 2 477/123 2 477/126 2 477/129 2 477/133 2 477/152 2 477/36 2 477/62 2 477/98 2 477/99 2 701/65 2 701/66

10826378_CLSTITLES
Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10826378 on July 12, 2004

11	477/906 Class 4	477	OR, 11 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL MEANS DETECTING OR AMELIORATING THE EFFECTS OF MALFUNCTION OR POTENTIAL MALFUNCTION
9	477/155 Class 4 477/34 477/115 477/121 477/143 477/155	477	OR, 6 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlServo motor timingElectric valve control
7	180/422 Class 1 180/400 180/417 180/421 180/422	180	OR, 1 XR) : MOTOR VEHICLES STEERING GEAR .With fluid power assistWith condition modulated steeringWith electrical control
7	192/3.58 Class 1 192/3.51 192/3.54 192/3.55 192/3.57 192/3.58	192	OR, 4 XR) : CLUTCHES AND POWER-STOP CONTROL TRANSMISSION CONTROL AND CLUTCH CONTROL .Common controlPower-operated clutchFluid-press operatedElectrically triggered
6	74/335 Class C 74/640 74/325 74/335	074	OR, 3 XR) : MACHINE ELEMENT OR MECHANISM GEARING .Interchangeably lockedControl mechanism
5	477/125 Class 4 477/34 477/115 477/121	(4 177	OR, 1 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlPrevents unsafe or unintentional shift
5	477/154 Class 4 477/34 477/115 477/121 477/143 477/154	(3 177	OR, 2 XR) : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL TRANSMISSION CONTROL .Transmission controlled by engine .By input manifold pressure or engine fuel controlServo motor timingSpeed responsive control

```
180/247
                  (0 OR, 4 XR)
        Class
                180 : MOTOR VEHICLES
        180/233
                      HAVING FOUR WHEELS DRIVEN
                       .With manually operated means for disengaging
        180/247
                          drive to one or more, but fewer than all, of the four
                          wheels
  192/3.31
                  (1 OR, 3 XR)
                192 : CLUTCHES AND POWER-STOP CONTROL
        Class
        192/3.21
                      VORTEX-FLOW DRIVE AND CLUTCH
        192/3.28
                      .Including drive-lockup clutch
        192/3.31
                      .. Having speed-responsive operator
  477/131
                  (1 OR, 3 XR)
        Class
                477 : INTERRELATED POWER DELIVERY CONTROLS,
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                            control
        477/127
                      ...Shift valve control
        477/130
                      ....Plural shift valves
        477/131
                      .....Electric control
4 477/138
                 (1 OR, 3 XR)
                477 : INTERRELATED POWER DELIVERY CONTROLS,
        Class
                        INCLUDING ENGINE CONTROL
                      TRANSMISSION CONTROL
        477/34
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                           control
        477/127
                      ...Shift valve control
        477/138
                      ....Electric control
3
    74/336R
                 (2 OR, 1 XR)
                074 : MACHINE ELEMENT OR MECHANISM
        Class
        74/640
                      GEARING
        74/325
                      .Interchangeably locked
                      .. Combined gear and clutch
        74/333
        74/334
                      ...Preselector
        74/336R
                      ....Speed responsive
                 (1 OR, 2 XR)
3 123/90.15
        Class
                123 : INTERNAL-COMBUSTION ENGINES
        123/90.1
                      POPPET VALVE OPERATING MECHANISM
        123/90.15
                      .With means for varying timing
3 474/28
                 (2 OR, 1 XR)
        Class
                474 : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR
                        COMPONENTS
        474/8
                      PULLEY WITH BELT-RECEIVING GROOVE FORMED BY
                          DRIVE FACES ON RELATIVELY AXIALLY MOVABLE COAXIAL
                          CONFRONTING MEMBERS (E.G., EXPANSIBLE CONE PULLEY, ETC.)
        474/28
                      .Fluid pressure actuator for adjustment of
                         member
3 475/128
                 (0 OR, 3 XR)
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10826378_CLSTITLES

Class 475: PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS

475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
475/116 .Fluid controlled mechanical clutch or brake
475/127 ...Pressure regulation
475/128 ...Valving controls shift timing
```

3 475/129 (2 OR, 1 XR)
Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR
COMPONENTS
475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
475/116 .Fluid controlled mechanical clutch or brake

475/116 .Fluid controlled mechanical clutch or bra 475/127 ..Pressure regulation 475/128 ...Valving controls shift timing

475/129With fluid accumulator

3 477/149 (1 OR, 2 XR) Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/115 .Transmission controlled by engine 477/121 .. By input manifold pressure or engine fuel control 477/143 ...Servo motor timing 477/144Downshift

477/149Electric valve control
3 477/158 (0 OR, 3 XR)

Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL
477/34 TRANSMISSION CONTROL
477/115 .Transmission controlled by engine

477/121 ..By input manifold pressure or engine fuel control

477/156 ...Transmission pressure controlled 477/158Line pressure controlled

3 477/160 (0 OR, 3 XR)
Class 477: INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL
477/34 TRANSMISSION CONTROL
477/115 .Transmission controlled by engine

477/121 ..By input manifold pressure or engine fuel control

477/156 ...Transmission pressure controlled
477/158Line pressure controlled
477/159Responsive to speed

477/160Electric valve control
3 701/52 (0 OR, 3 XR)

Class 701: DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/51 .Transmission control

701/51 .Transmission control
701/52 .Semiautomatic control (e.g., switchable between automatic and manual)

2 60/406 (0 OR, 2 XR)

Class 060 : POWER PLANTS 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/403 .Apparatus having means responsive to or ameliorating the effects of breakage, plugging, mechanic al failure or power failure 60/406 ..Output means locked, positioned or released on failure of motive fluid supply means 2 60/547.1 (1 OR, 1 XR) 060 : POWER PLANTS Class 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/533 .Pulsator 60/547.1 .. With control of or by a separate power fluid, etc. 60/581 (0 OR, 2 XR) Class 060 : POWER PLANTS 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/533 .Pulsator 60/581 .. Plural structurally related master pistons, cylinders or pulsator circuits 74/388PS (0 OR, 2 XR) 074 : MACHINE ELEMENT OR MECHANISM Class 74/640 GEARING 74/388R .Follow-up mechanism 74/388PS .. Power steering 2 74/733.1 (1 OR, 1 XR) 074 : MACHINE ELEMENT OR MECHANISM Class 74/640 GEARING 74/730.1 .With fluid drive .. With one or more controllers for gearing, 74/732.1 fluid drive, or clutch 74/733.1 ...With interrelated controls 2 123/90.17 (1 OR, 1 XR) Class 123 : INTERNAL-COMBUSTION ENGINES 123/90.1 POPPET VALVE OPERATING MECHANISM .With means for varying timing 123/90.15 123/90.17 .. Camshaft or cam characteristics (0 OR, 2 XR) 2 137/625.64 Class 137 : FLUID HANDLING 137/561R SYSTEMS 137/625 .Multi-way valve unit 137/625.2 ..Supply and exhaust 137/625.6 ...Pilot-actuated 137/625.64Electric (1 OR, 1 XR) 2 180/233 Class 180 : MOTOR VEHICLES HAVING FOUR WHEELS DRIVEN 180/233 2 180/272 (0 OR, 2 XR) Class 180 : MOTOR VEHICLES 180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, ITS OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT

180/272 .Responsive to absence or inattention of operator, or negatively reactive to attempt to operate vehicle by person not qualified mentally or physically to 2 180/414 (2 OR, 0 XR) 180 : MOTOR VEHICLES Class 180/400 STEERING GEAR 180/408 .Each wheel steerable 180/414 ..With fluid power assist 2 192/106F (2 OR, 0 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/30R CLUTCHES 192/82R .Operators 192/103R .. Speed responsive 192/106R ...Release 192/106FDevices to prevent fluid clutches from being operated by centrifugal forces acting on fluid 192/109F (0 OR, 2 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class 192/30R CLUTCHES 192/109R .Thrust members, retarders, and stops 192/109F ..Cushioning devices for fluid operators 192/222 (0 OR, 2 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/215 TRANSMISSION AND BRAKE 192/218 .Motor vehicle 192/222 ..Electromagnetic 2 192/3.57 (1 OR, 1 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class TRANSMISSION CONTROL AND CLUTCH CONTROL 192/3.51 192/3.54 .Common control .. Power-operated clutch 192/3.55 192/3.57 ...Fluid-press operated 2 192/30W (0 OR, 2 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/30R CLUTCHES 192/30W .Warning, indicating, and signal devices 2 192/48.91 (0 OR, 2 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class 192/30R CLUTCHES 192/48.1 .Plural clutch-assemblage 192/48.8 .. Associated with three or more shafts 192/48.9 ... Alternatively operative assemblages 192/48.91 Having common clutch-element support 192/85AA (1 OR, 1 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/30R CLUTCHES 192/82R .Operators 192/85R ..Fluid pressure 192/85AA ... Axially engaging clamping rotating motor and clutch

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192/85R
                (0 OR, 2 XR)
        Class
               192 : CLUTCHES AND POWER-STOP CONTROL
        192/30R
                     CLUTCHES
        192/82R
                     .Operators
        192/85R
                      ..Fluid pressure
  192/87.16
                (0 OR, 2 XR)
        Class 192 : CLUTCHES AND POWER-STOP CONTROL
        192/30R
                     CLUTCHES
        192/82R
                     .Operators
                     ..Fluid pressure
        192/85R
                      ...Multiple clutches
        192/87.1
                      ....Alternatively operative clutches
        192/87.14
        192/87.15
                      .....Clutches coaxial with operators
        192/87.16
                      .....Common or interconnected operator(s)
2 241/36
                 (2 OR, 0 XR)
                241 : SOLID MATERIAL COMMINUTION OR DISINTEGRATION
        Class
        241/33
                      .With automatic control
                      ..Of comminutor drive
        241/36
  303/113.2
                 (1 OR, 1 XR)
                303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
        Class
        303/121
                     SPEED-CONTROLLED
        303/113.1
                      .Having a valve system responsive to a wheel
                          lock signal
        303/113.2
                      ..With traction control
  303/122.12
                (0 OR, 2 XR)
                303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
       Class
        303/121
                     SPEED-CONTROLLED
        303/122
                     .With failure responsive means
        303/122.09
                     ..Pressure failure
        303/122.12
                      ...Pump failure detection
2 303/71
                 (0 OR, 2 XR)
        Class
               303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
        303/50
                     MOTORMAN'S VALVES
        303/68
                     .Motor
        303/71
                      ..Fluid-pressure retracting
2 303/9.61
                 (0 OR, 2 XR)
               303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
        Class
                     MULTIPLE FLUID-RECEIVING DEVICES
        303/5
        303/6.01
                     .Multiple motors
        303/9.61
                      ..Separate and simultaneous control
2 417/310
                 (0 OR, 2 XR)
       Class
               417 : PUMPS
       417/279
                     WITH CONDITION RESPONSIVE PUMPED FLUID CONTROL
       417/307
                     .Pressure responsive relief or bypass valve
       417/310
                     .. Rotary expansible chamber pump
 417/38
                 (1 OR, 1 XR)
       Class
               417 : PUMPS
       417/1
                     CONDITION RESPONSIVE CONTROL OF PUMP DRIVE
```

10826378_CLSTITLES MOTOR 417/36 .Responsive to accumulation of pumped liquid in receiver 417/38 .. By liquid pressure sensor 2 474/18 (1 OR, 1 XR) Class 474 : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR COMPONENTS 474/8 PULLEY WITH BELT-RECEIVING GROOVE FORMED BY DRIVE FACES ON RELATIVELY AXIALLY MOVABLE COAXIAL CONFRONTING MEMBERS (E.G., EXPANSIBLE CONE PULLEY, ETC. 474/17 .Load responsive 474/18 ..With actuator driven by electrical or fluid motor 2' 475/123 (0 OR, 2 XR) 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR Class COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/116 .Fluid controlled mechanical clutch or brake 475/118 .. Speed responsive control 475/121 ...Ratio change 475/122 Speed responsive valve control 475/123Electrical control 2 475/127 (2 OR, 0 XR) Class . 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/116 .Fluid controlled mechanical clutch or brake 475/127 .. Pressure regulation 2 475/132 (0 OR, 2 XR) Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/116 .Fluid controlled mechanical clutch or brake 475/131 ..Manually actuated ratio selector 475/132 ...Electrical 2 475/60 (0 OR, 2 XR) 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR Class COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/59 .Impeller-turbine type fluid circuit in series

with planetary gearing

475/60

)

2 475/61 (0 OR, 2 XR)

Class 475: PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS

475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING
475/59 .Impeller-turbine type fluid circuit in series
with planetary gearing

..And condition responsive control

475/60 ...And condition responsive control 475/61 ...Control of or by fluid circuit

2 475/65 (1 OR, 1 XR)

P)			
			10026270 0100777777
	Class	475	10826378_CLSTITLES : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS
	475/31		FLUID DRIVE OR CONTROL OF PLANETARY GEARING
	475/59		.Impeller-turbine type fluid circuit in series
	1,3,35		with planetary gearing
	475/60		And condition responsive control
	475/61		Control of or by fluid circuit
	475/64		Fluid circuit controlled
	475/65		By lock-up clutch actuation
	,		vivily room up oracon accuracion
2	477/107	(2	OR, 0 XR)
			: INTERRELATED POWER DELIVERY CONTROLS,
			INCLUDING ENGINE CONTROL
	477/34		TRANSMISSION CONTROL
	477/107		.Engine controlled by transmission
2	477/114	(2	OR, 0 XR)
	Class	477	
	_		INCLUDING ENGINE CONTROL
	477/34		TRANSMISSION CONTROL
	477/114		.Anticreep
_			
2	477/116	(1	OR, 1 XR)
	Class	477	: INTERRELATED POWER DELIVERY CONTROLS,
	477/24		INCLUDING ENGINE CONTROL
	477/34 477/115		TRANSMISSION CONTROL
	477/116		TRANSMISSION CONTROL .Transmission controlled by engineShift from neutral shock control
	4///110		Shift from neutral shock control
2	477/117	(0	OR, 2 XR)
			: INTERRELATED POWER DELIVERY CONTROLS,
			INCLUDING ENGINE CONTROL
	477/34		TRANSMISSION CONTROL
	477/115		.Transmission controlled by engine
	477/116		Shift from neutral shock control
	477/117		Pressure controlled
2	477/123		OR, 0 XR)
	Class	477	
	455/24		INCLUDING ENGINE CONTROL
	477/34		TRANSMISSION CONTROL
	477/115		Transmission controlled by engine
	477/121		By input manifold pressure or engine fuel control
	477/123		
	4///123		With positive shift means
2	477/126	(1	OR, 1 XR)
	Class	477	
		-	INCLUDING ENGINE CONTROL
	477/34		TRANSMISSION CONTROL
	477/115		.Transmission controlled by engine
	477/121		By input manifold pressure or engine fuel
			control
	477/125		Prevents unsafe or unintentional shift
	177/126		Dorrows a inhihita

(1 OR, 1 XR)
477 : INTERRELATED POWER DELIVERY CONTROLS, 2 477/129 Class INCLUDING ENGINE CONTROL

....Reverse inhibitor

477/126

	477/34		10826378_CLSTITLES TRANSMISSION CONTROL
	477/115 477/121		<pre>.Transmission controlled by engineBy input manifold pressure or engine fuel control</pre>
	477/127		Shift valve control
	477/128		Hysteresis
	477/129		Electric control
2	477/133	(2	OP (YP)
2	Class		
	477/34		TRANSMISSION CONTROL
	477/115		.Transmission controlled by engine
	477/121		By input manifold pressure or engine fuel control
	477/127 477/130		Shift valve control
	477/131		Plural shift valvesElectric control
	477/132		Downshift control
	477/133		Kickdown
_			
2	477/152 Class	(1 477	OR, 1 XR)
	Class	4//	: INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
	477/34		TRANSMISSION CONTROL
	477/115		Transmission controlled by engine
	477/121		By input manifold pressure or engine fuel control
	477/143		Servo motor timing
	477/150		With fluid accumulator
	477/152		Electric valve control
2	477/36	(0	OR, 2 XR)
	Class		
			INCLUDING ENGINE CONTROL
	477/34		TRANSMISSION CONTROL
	477/36		.Plural outputs
2	477/62	(1	OR, 1 XR)
	Class		: INTERRELATED POWER DELIVERY CONTROLS,
	.== /0.		INCLUDING ENGINE CONTROL
	477/34 477/52		TRANSMISSION CONTROL
	477/53		.Including fluid drive Impeller-turbine-type
	477/62		With clutch control
2	477/98		OR, 1 XR)
	Class	477	: INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
	477/34		TRANSMISSION CONTROL
	477/97		.Control by sensed ambient condition, pattern
			indicia, external signal, or temperature
	477/98		Temperature control
2	477/99	(2	OR, 0 XR)
	Class	477	: INTERRELATED POWER DELIVERY CONTROLS,
	477/34		INCLUDING ENGINE CONTROL TRANSMISSION CONTROL
	477/99		Engine starting interlock
	, = 3		

2	701/65	(1 OR, 1 XR)
	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
		RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR
		INDICATION
	701/51	.Transmission control
	701/65	Responsive to road, external, or ambient condition
2	701/66	(0 OR, 2 XR)
2	,	(0 OR, 2 XR) 701: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
2	,	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
2	Class	701: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION VEHICLE CONTROL, GUIDANCE, OPERATION, OR

Titles of Most Frequently Occurring Classifications of Patents Returned From A Search of 10826378 on July 12, 2004

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11 477/906
                  (0 OR, 11 XR)
         Class
                 477 : INTERRELATED POWER DELIVERY CONTROLS,
                         INCLUDING ENGINE CONTROL
         477/906
                       MEANS DETECTING OR AMELIORATING THE EFFECTS OF
                          MALFUNCTION OR POTENTIAL MALFUNCTION
  477/155
                  (3 OR, 6 XR)
                 477 : INTERRELATED POWER DELIVERY CONTROLS,
         Class
                         INCLUDING ENGINE CONTROL
         477/34
                       TRANSMISSION CONTROL
         477/115
                       .Transmission controlled by engine
         477/121
                       .. By input manifold pressure or engine fuel
                            control
         477/143
                       ...Servo motor timing
         477/155
                       ....Electric valve control
                  (6 OR, 1 XR)
 7 180/422
                 180 : MOTOR VEHICLES
         Class
         180/400
                       STEERING GEAR
         180/417
                       .With fluid power assist
         180/421
                       .. With condition modulated steering
         180/422
                       ...With electrical control
 7 192/3.58
                  (3 OR, 4 XR)
         Class 192 : CLUTCHES AND POWER-STOP CONTROL
         192/3.51
                       TRANSMISSION CONTROL AND CLUTCH CONTROL
         192/3.54
                       .Common control
         192/3.55
                      .. Power-operated clutch
         192/3.57
                       ...Fluid-press operated
         192/3.58
                       ....Electrically triggered
    74/335
                  (3 OR, 3 XR)
         Class
                 074 : MACHINE ELEMENT OR MECHANISM
         74/640
                       GEARING
         74/325
                       .Interchangeably locked
         74/335
                       ..Control mechanism
5 477/125
                  (4 OR, 1 XR)
                 477 : INTERRELATED POWER DELIVERY CONTROLS,
        Class
                         INCLUDING ENGINE CONTROL
        477/34
                       TRANSMISSION CONTROL
         477/115
                       .Transmission controlled by engine
         477/121
                       .. By input manifold pressure or engine fuel
                           control
        477/125
                       ... Prevents unsafe or unintentional shift
5 477/154
                 (3 OR, 2 XR)
                 477 : INTERRELATED POWER DELIVERY CONTROLS,
        Class
                         INCLUDING ENGINE CONTROL
        477/34
                       TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                            control
        477/143
                       ... Servo motor timing
        477/154
                       .... Speed responsive control
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180/247
                 (0 OR, 4 XR)
        Class
                180 : MOTOR VEHICLES
        180/233
                      HAVING FOUR WHEELS DRIVEN
        180/247
                      .With manually operated means for disengaging
                         drive to one or more, but fewer than all, of the four
                         wheels
  192/3.31
                 (1 OR, 3 XR)
        Class
                192 : CLUTCHES AND POWER-STOP CONTROL
        192/3.21
                     VORTEX-FLOW DRIVE AND CLUTCH
        192/3.28
                      .Including drive-lockup clutch
        192/3.31
                      .. Having speed-responsive operator
4 477/131
                 (1 OR, 3 XR)
        Class
                477 : INTERRELATED POWER DELIVERY CONTROLS.
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                            control
                      ...Shift valve control
        477/127
        477/130
                      ....Plural shift valves
        477/131
                      .....Electric control
  477/138
                 (1 OR, 3 XR)
        Class
                477 : INTERRELATED POWER DELIVERY CONTROLS,
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                           control
        477/127
                      ...Shift valve control
        477/138
                      ....Electric control
    74/336R
                 (2 OR, 1 XR)
                074 : MACHINE ELEMENT OR MECHANISM
        Class
        74/640
                      GEARING
        74/325
                      .Interchangeably locked
        74/333
                      .. Combined gear and clutch
        74/334
                      ...Preselector
        74/336R
                      ....Speed responsive
  123/90.15
                 (1 OR, 2 XR)
        Class
                123 : INTERNAL-COMBUSTION ENGINES
        123/90.1
                     POPPET VALVE OPERATING MECHANISM
        123/90.15
                      .With means for varying timing
  474/28
                 (2 OR, 1 XR)
                474 : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR
        Class
                        COMPONENTS
        474/8
                      PULLEY WITH BELT-RECEIVING GROOVE FORMED BY
                          DRIVE FACES ON RELATIVELY AXIALLY MOVABLE COAXIAL
                          CONFRONTING MEMBERS (E.G., EXPANSIBLE CONE PULLEY, ETC.)
        474/28
                      .Fluid pressure actuator for adjustment of
                         member
3 475/128
                 (0 OR, 3 XR)
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10826378 CLSTITLES Class 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/116 .Fluid controlled mechanical clutch or brake 475/127 ..Pressure regulation 475/128 ... Valving controls shift timing (2 OR, 1 XR) 3 475/129 475 : PLANETARY GEAR TRANSMISSION SYSTEMS OR Class COMPONENTS 475/31 FLUID DRIVE OR CONTROL OF PLANETARY GEARING 475/116 .Fluid controlled mechanical clutch or brake 475/127 .. Pressure regulation 475/128 ... Valving controls shift timing 475/129With fluid accumulator (1 OR, 2 XR) 477/149 Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/115 .Transmission controlled by engine 477/121 .. By input manifold pressure or engine fuel control 477/143 ...Servo motor timingDownshift 477/144 477/149Electric valve control 3 477/158 (0 OR, 3 XR) 477 : INTERRELATED POWER DELIVERY CONTROLS, Class INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/115 .Transmission controlled by engine 477/121 .. By input manifold pressure or engine fuel control 477/156 ...Transmission pressure controlledLine pressure controlled 477/158 3 477/160 (0 OR, 3 XR) Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL 477/34 TRANSMISSION CONTROL 477/115 .Transmission controlled by engine 477/121 .. By input manifold pressure or engine fuel control 477/156 ...Transmission pressure controlled 477/158Line pressure controlled 477/159Responsive to speed 477/160Electric valve control (0 OR, 3 XR) 3 701/52 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION 701/51 .Transmission control .. Semiautomatic control (e.g., switchable 701/52

60/406

(0 OR, 2 XR)

between automatic and manual)

10826378 CLSTITLES Class 060 : POWER PLANTS 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/403 .Apparatus having means responsive to or ameliorating the effects of breakage, plugging, mechanic al failure or power failure 60/406 ..Output means locked, positioned or released on failure of motive fluid supply means 2 60/547.1 (1 OR, 1 XR) 060 : POWER PLANTS Class 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/533 .Pulsator 60/547.1 .. With control of or by a separate power fluid, etc. 2 60/581 (0 OR, 2 XR) Class 060 : POWER PLANTS 60/325 PRESSURE FLUID SOURCE AND MOTOR 60/533 .Pulsator 60/581 ..Plural structurally related master pistons, cylinders or pulsator circuits 74/388PS (0 OR, 2 XR) 074 : MACHINE ELEMENT OR MECHANISM Class 74/640 GEARING 74/388R .Follow-up mechanism 74/388PS .. Power steering 2 74/733.1 (1 OR, 1 XR) 074 : MACHINE ELEMENT OR MECHANISM Class 74/640 GEARING 74/730.1 .With fluid drive .. With one or more controllers for gearing, 74/732.1 fluid drive, or clutch 74/733.1 ...With interrelated controls 2 123/90.17 (1 OR, 1 XR) Class 123 : INTERNAL-COMBUSTION ENGINES 123/90.1 POPPET VALVE OPERATING MECHANISM 123/90.15 .With means for varying timing 123/90.17 .. Camshaft or cam characteristics 2 137/625.64 (0 OR, 2 XR) Class 137 : FLUID HANDLING 137/561R SYSTEMS 137/625 .Multi-way valve unit 137/625.2 ..Supply and exhaust 137/625.6 ...Pilot-actuated 137/625.64Electric (1 OR, 1 XR) 2 180/233 180 : MOTOR VEHICLES Class HAVING FOUR WHEELS DRIVEN 180/233 2 180/272 (0 OR, 2 XR) Class 180 : MOTOR VEHICLES 180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, ITS OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT

180/272 .Responsive to absence or inattention of operator, or negatively reactive to attempt to operate vehicle by person not qualified mentally or physically to (2 OR, 0 XR) 180 : MOTOR VEHICLES 180/414 Class 180/400 STEERING GEAR 180/408 .Each wheel steerable 180/414 ..With fluid power assist 2 192/106F (2 OR, 0 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class 192/30R CLUTCHES 192/82R .Operators 192/103R .. Speed responsive 192/106R ...Release 192/106FDevices to prevent fluid clutches from being operated by centrifugal forces acting on fluid 192/109F (0 OR, 2 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class 192/30R CLUTCHES 192/109R .Thrust members, retarders, and stops 192/109F .. Cushioning devices for fluid operators 192/222 (0 OR, 2 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/215 TRANSMISSION AND BRAKE 192/218 .Motor vehicle 192/222 .. Electromagnetic 192/3.57 (1 OR, 1 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/3.51 TRANSMISSION CONTROL AND CLUTCH CONTROL 192/3.54 .Common control .. Power-operated clutch 192/3.55 192/3.57 ...Fluid-press operated 192/30W (0 OR, 2 XR) 192 : CLUTCHES AND POWER-STOP CONTROL Class 192/30R CLUTCHES 192/30W .Warning, indicating, and signal devices 192/48.91 (0 OR, 2 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/30R CLUTCHES 192/48.1 .Plural clutch-assemblage 192/48.8 .. Associated with three or more shafts 192/48.9 ... Alternatively operative assemblages 192/48.91 Having common clutch-element support 192/85AA (1 OR, 1 XR) Class 192 : CLUTCHES AND POWER-STOP CONTROL 192/30R CLUTCHES 192/82R .Operators 192/85R ..Fluid pressure 192/85AA ... Axially engaging clamping rotating motor and clutch

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2 192/85R
                 (0 OR, 2 XR)
        Class
                192 : CLUTCHES AND POWER-STOP CONTROL
        192/30R
                      CLUTCHES
        192/82R
                      .Operators
        192/85R
                      ..Fluid pressure
2 192/87.16
                 (0 OR, 2 XR)
        Class
                192 : CLUTCHES AND POWER-STOP CONTROL
        192/30R
                     CLUTCHES
        192/82R
                      .Operators
        192/85R
                      ..Fluid pressure
        192/87.1
                      ...Multiple clutches
        192/87.14
                      .... Alternatively operative clutches
        192/87.15
                      .....Clutches coaxial with operators
        192/87.16
                     .....Common or interconnected operator(s)
2 241/36
                 (2 OR, 0 XR)
                241 : SOLID MATERIAL COMMINUTION OR DISINTEGRATION
        Class
                      .With automatic control
        241/33
        241/36
                      ..Of comminutor drive
2 303/113.2
                 (1 OR, 1 XR)
                303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
        Class
        303/121
                      SPEED-CONTROLLED
        303/113.1
                      .Having a valve system responsive to a wheel
                          lock signal
                      ..With traction control
        303/113.2
  303/122.12
                (0 OR, 2 XR)
                303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
        Class
        303/121
                     SPEED-CONTROLLED
                     .With failure responsive means
        303/122
        303/122.09
                     ..Pressure failure
        303/122.12
                      ...Pump failure detection
2 303/71
                 (0 OR, 2 XR)
        Class
                303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
        303/50
                     MOTORMAN'S VALVES
        303/68
                      .Motor
        303/71
                      ..Fluid-pressure retracting
2 303/9.61
                 (0 OR, 2 XR)
       Class
                303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
        303/5
                      MULTIPLE FLUID-RECEIVING DEVICES
        303/6.01
                      .Multiple motors
        303/9.61
                      .. Separate and simultaneous control
  417/310
                 (0 OR, 2 XR)
        Class
                417 : PUMPS
        417/279
                      WITH CONDITION RESPONSIVE PUMPED FLUID CONTROL
        417/307
                      .Pressure responsive relief or bypass valve
        417/310
                      ..Rotary expansible chamber pump
                 (1 OR, 1 XR)
2 417/38
       Class
                417 : PUMPS
        417/1
                      CONDITION RESPONSIVE CONTROL OF PUMP DRIVE
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10826378_CLSTITLES MOTOR

	417/36 417/38		Responsive to accumulation of pumped liquid in receiverBy liquid pressure sensor
	·		
2	474/18 Class		OR, 1 XR) : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR COMPONENTS
)	474/8		PULLEY WITH BELT-RECEIVING GROOVE FORMED BY DRIVE FACES ON RELATIVELY AXIALLY MOVABLE COAXIAL CONFRONTING MEMBERS (E.G., EXPANSIBLE CONE PULLEY, ETC.
,	474/17 474/18		.Load responsive With actuator driven by electrical or fluid motor
2	475/123 Class		OR, 2 XR) : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS
	475/31 475/116 475/118 475/121 475/122		FLUID DRIVE OR CONTROL OF PLANETARY GEARING .Fluid controlled mechanical clutch or brakeSpeed responsive controlRatio changeSpeed responsive valve control
	475/123		Electrical control
2	475/127 Class		OR, 0 XR) : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS
	475/31 475/116 475/127		FLUID DRIVE OR CONTROL OF PLANETARY GEARING .Fluid controlled mechanical clutch or brakePressure regulation
2	475/132 Class		OR, 2 XR) : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS
	475/31 475/116 475/131 475/132		FLUID DRIVE OR CONTROL OF PLANETARY GEARING .Fluid controlled mechanical clutch or brakeManually actuated ratio selectorElectrical
2	475/60 Class		OR, 2 XR) : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS
	475/31 475/59		FLUID DRIVE OR CONTROL OF PLANETARY GEARING .Impeller-turbine type fluid circuit in series with planetary gearing
	475/60		And condition responsive control
2	475/61 Class	(0 475	COMPONENTS
	475/31 475/59		FLUID DRIVE OR CONTROL OF PLANETARY GEARING .Impeller-turbine type fluid circuit in series with planetary gearing
	475/60 475/61		And condition responsive controlControl of or by fluid circuit
2	475/65	(1	OR, 1 XR)

				10026270 OLOMENT DO
		Class	475	10826378_CLSTITLES : PLANETARY GEAR TRANSMISSION SYSTEMS OR COMPONENTS
		475/31		FLUID DRIVE OR CONTROL OF PLANETARY GEARING
		475/59		.Impeller-turbine type fluid circuit in series with planetary gearing
		475/60		And condition responsive control
		475/61		Control of or by fluid circuit
		475/64		Fluid circuit controlled
		475/65		By lock-up clutch actuation
2	477/			OR, 0 XR)
		Class	477	: INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
		477/34		TRANSMISSION CONTROL
		477/107		.Engine controlled by transmission
2	477/	114	(2	OR, 0 XR)
		Class	477	: INTERRELATED POWER DELIVERY CONTROLS,
		477/34		INCLUDING ENGINE CONTROL TRANSMISSION CONTROL
		477/114		.Anticreep
				-
2	477/			OR, 1 XR)
		Class	477	: INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
		477/34		TRANSMISSION CONTROL
				.Transmission controlled by engine
,		477/116		Shift from neutral shock control
2	477/	117	(0	OR, 2 XR)
_	11//	Class	477	: INTERRELATED POWER DELIVERY CONTROLS,
				INCLUDING ENGINE CONTROL
		477/34		TRANSMISSION CONTROL
		477/115		.Transmission controlled by engine
		477/116 477/117		Shift from neutral shock controlPressure controlled
2	477/			OR, 0 XR)
		Class	477	: INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
		477/34		TRANSMISSION CONTROL
		477/115		.Transmission controlled by engine
		477/121		By input manifold pressure or engine fuel
		477/100		control
		477/123		With positive shift means
2	477/1	L26	(1	OR, 1 XR)
		Class	477	
		477/34		INCLUDING ENGINE CONTROL TRANSMISSION CONTROL
		477/115		Transmission controlled by engine
		477/121		By input manifold pressure or engine fuel
		100/		control
		477/125 477/126		Prevents unsafe or unintentional shift
		#///T70		Reverse inhibitor
2	477/1			OR, 1 XR)
		Class	477	
				INCLUDING ENGINE CONTROL
				Page 8

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10826378 CLSTITLES
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                             control
        477/127
                      ... Shift valve control
        477/128
                      .... Hysteresis
        477/129
                      .....Electric control
2 477/133
                 (2 OR, 0 XR)
                477 : INTERRELATED POWER DELIVERY CONTROLS,
        Class
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                              control
        477/127
                      ...Shift valve control
        477/130
                      ....Plural shift valves
        477/131
                      .....Electric control
        477/132
                      .....Downshift control
        477/133
                      ....Kickdown
2 477/152
                 (1 OR, 1 XR)
        Class
                477 : INTERRELATED POWER DELIVERY CONTROLS,
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/115
                      .Transmission controlled by engine
        477/121
                      .. By input manifold pressure or engine fuel
                            control
        477/143
                      ...Servo motor timing
        477/150
                      ....With fluid accumulator
        477/152
                      .....Electric valve control
2 477/36
                 (0 OR, 2 XR)
                477 : INTERRELATED POWER DELIVERY CONTROLS,
        Class
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/36
                      .Plural outputs
2 477/62
                 (1 OR, 1 XR)
                477 : INTERRELATED POWER DELIVERY CONTROLS,
        Class
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/52
                      .Including fluid drive
        477/53
                      .. Impeller-turbine-type
        477/62
                      ...With clutch control
2 477/98
                 (1 OR, 1 XR)
        Class
                477 : INTERRELATED POWER DELIVERY CONTROLS,
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/97
                      .Control by sensed ambient condition, pattern
                          indicia, external signal, or temperature
        477/98
                      .. Temperature control
2 477/99
                 (2 OR, 0 XR)
                477 : INTERRELATED POWER DELIVERY CONTROLS,
        Class
                        INCLUDING ENGINE CONTROL
        477/34
                      TRANSMISSION CONTROL
        477/99
                      .Engine starting interlock
```

2	701/65	(1 OR, 1 XR)
	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
		RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
	701/51	.Transmission control
	701/65	Responsive to road, external, or ambient
		condition
2	701/66	(0 OR, 2 XR)
2	•	(0 OR, 2 XR) 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
2	•	· · · · ·
2	•	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
2	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
2	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION VEHICLE CONTROL, GUIDANCE, OPERATION, OR
2	Class 701/1	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION